What Is Claimed Is:

1. A device for energy storage and energy transformation, comprising:

a first coil former having a winding for connection to a supply voltage;

a second coil former having a winding for connection to a high-voltage terminal;

a magnetically active I core surrounded by the first coil former and the second coil former; and

a peripheral core forming a magnetic circuit with the I core and enclosing a system including the first coil former and the second coil former, wherein:

the peripheral core includes a recess in a circumferential extension thereof to accommodate an end area of the I core.

2. The device as recited in Claim 1, wherein:

the device is an ignition coil of an ignition system of a motor vehicle.

3. The device as recited in Claim 1, wherein:

the first coil former is an external coil former concentrically surrounding the I core, and

the second coil former is an internal coil former concentrically surrounded by the external coil former.

4. The device as recited in Claim 1, further comprising:

a permanent magnet positioned at a joint between the I core and the peripheral core.

5. The device as recited in Claim 4, wherein:

the permanent magnet is positioned at an end area of the I core facing away from the end area inserted into the recess of the peripheral core, and

the permanent magnet is directly adjacent to the peripheral core.

6. The device as recited in Claim 4, wherein:

the I core, the first coil former, the second coil former, and the permanent magnet form a preassembled module when the I core is inserted into the recess of the peripheral core.

7. The device as recited in Claim 1, wherein:

the peripheral core is in one piece.

8. The device as recited in Claim 7, further comprising:

a clamped joint existing between the peripheral core and the I core.

9. The device as recited in Claim 7, wherein:

the recess in an unassembled condition has a smaller size than the end area of the I core to be accommodated therein and is widenable to accommodate the end area of the I core.

10. The device as recited in Claim 4, wherein:

the peripheral core is of a two-piece design including a first peripheral core part and a second peripheral core part, and

a separation extends between the first peripheral core part and the second peripheral core part in an area of contact of the permanent magnet.

11. The device as recited in Claim 10, wherein:

the permanent magnet, the I core, and the peripheral core are dimensioned in such a way that an air gap that may exist between the I core and the peripheral core is closed by magnetic force in an area of the recess provided for accommodating the I core.

12. The device as recited in Claim 1, wherein:

at least one of the I core and the peripheral core includes iron as a magnetically active material.

13. The device as recited in Claim 12, wherein:

the magnetically active material includes layered lamellae.